

Notice of Allowability

Application No.

09/886,966

Examiner

Angelica M. Perez

Applicant(s)

ARNAUD ET AL.

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on July 22, 2004.
2. ☒ The allowed claim(s) is/are 4-32.
3. ☒ The drawings filed on 21 June 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Reasons for Allowance

1. The following is an examiner's statement of reasons for allowance:

Regarding claims 4, 7 and 23, the previous art of record teaches of a process and apparatus for reducing electrical consumption of a transmitter/receiver device comprising a frequency synthesizer stage controlled by an automatic frequency control algorithm, the process comprising: generating at least one reference signal for a transmission/reception stage within the transmitter/receiver device, the at least one reference signal being generated based upon at least one first fractional-division phase-locked loop within the frequency synthesizer stage; generating a clock signal based upon a second fractional-division phase-locked loop within the frequency synthesizer stage, generating a base signal for the at least one first fractional-division phase-locked loop and the second fractional-division phase-locked loop.

The previous art of record does not teach of the base signal **having a second accuracy less than the first accuracy**; and **delivering the base signal as a master-clock signal** to a modulator/demodulator connected to the transmission/reception stage **when the transmission/reception stage and the second fractional-division phase-locked loop are inactive** and **delivering the clock signal as the master-clock signal when the transmission/reception stage and the second fractional-division phase-locked loop are active**.

Regarding claim 16, the previous art of record teaches of a process for reducing electrical consumption within a transmitter/receiver device, the process comprising:

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generating at least one first clock signal at a first accuracy at a first power level for a transmission/reception stage and a modulator/demodulator when the transmission/reception stage is active; and generating a second clock signal.

The previous art of record fails to teach where the generated second clock signal is generated at a **second accuracy less than the first accuracy** and at a **second power level less than the first power level for the modulator/demodulator when the transmission/reception stage is inactive.**

Claims 5-6, 8-15, 17-22 and 23-32 are dependent upon claims 4, 7, 16 and 23, respectively; therefore, the examiner gives the same reasons for allowance as discussed in claims 4, 7, 16 and 23.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angelica Perez whose telephone number is 703-305-8724. The examiner can normally be reached on 7:00 a.m. - 3:30 p.m., Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and for After Final communications.

Information regarding Patent Application Information Retrieval (PAIR) system can be found at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2600's customer service number is 703-306-0377.


Angelica Perez
(Examiner)


NAY MAUNG
SUPERVISORY PATENT EXAMINER

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November 15, 2004